

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506902

Luminaire Tested: **24PD-90-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-90-PR1-L927
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

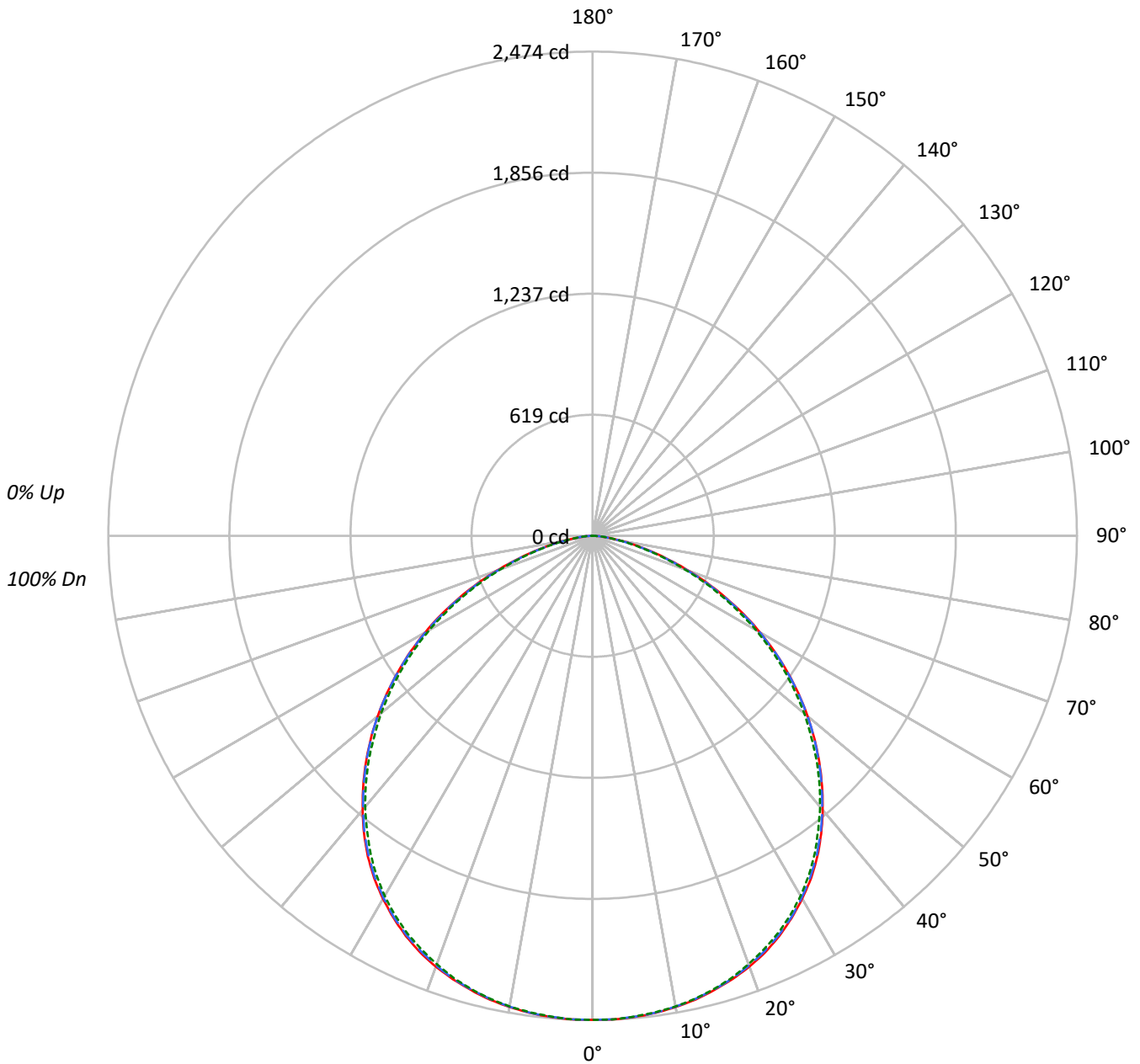
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6659.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 69.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3328	3328	3328
5°	3334	3332	3330
10°	3341	3337	3337
15°	3348	3343	3339
20°	3354	3346	3336
25°	3351	3341	3327
30°	3328	3319	3301
35°	3287	3277	3251
40°	3211	3203	3175
45°	3117	3112	3076
50°	3001	2999	2954
55°	2853	2847	2793
60°	2659	2649	2589
65°	2396	2367	2312
70°	2046	2015	1965
75°	1617	1581	1544
80°	1148	1119	1084
85°	690	670	651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.7	3.5
10°-20°	677.8	10.2
20°-30°	1036.2	15.6
30°-40°	1244.3	18.7
40°-50°	1257.5	18.9
50°-60°	1080.5	16.2
60°-70°	737.0	11.1
70°-80°	331.4	5.0
80°-90°	59.6	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1948.7	29.3
0°-40°	3193.1	48.0
0°-60°	5531.0	83.1
0°-90°	6659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6659.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2474	2474	2474	2474	2474	
5°	2468	2468	2467	2466	2466	235
15°	2403	2402	2400	2398	2397	679
25°	2257	2256	2250	2243	2241	1039
35°	2001	2001	1995	1983	1979	1250
45°	1638	1642	1635	1624	1617	1262
55°	1216	1221	1214	1203	1191	1085
65°	752	756	744	738	726	745
75°	311	314	304	302	297	337
85°	45	45	43	43	42	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2473.5	2473.5	2473.5	2473.5	2473.5
2.5°	2474.1	2473.5	2472.8	2471.5	2473.5
5°	2468.3	2467.7	2467.1	2465.8	2465.8
7.5°	2459.4	2458.1	2458.1	2456.2	2455.6
10°	2445.3	2444.7	2442.8	2442.8	2442.2
12.5°	2427.5	2426.2	2424.3	2423.6	2422.3
15°	2403.2	2402.5	2400.0	2398.1	2397.4
17.5°	2375.7	2373.8	2371.9	2367.4	2367.4
20°	2342.5	2341.2	2336.7	2332.3	2329.7
22.5°	2304.2	2301.6	2296.5	2292.0	2286.9
25°	2256.9	2256.3	2250.5	2242.8	2240.9
27.5°	2202.0	2203.2	2197.5	2189.8	2186.0
30°	2141.9	2144.5	2136.2	2126.6	2124.7
32.5°	2076.1	2076.8	2069.7	2059.5	2055.7
35°	2001.4	2001.4	1995.0	1982.9	1979.0
37.5°	1918.3	1917.7	1913.9	1899.8	1892.8
40°	1828.3	1831.5	1823.8	1811.0	1807.8
42.5°	1735.0	1738.8	1731.8	1720.9	1713.9
45°	1637.9	1642.4	1635.3	1623.8	1616.8
47.5°	1537.6	1540.8	1535.7	1521.0	1511.4
50°	1433.5	1439.9	1432.8	1417.5	1411.1
52.5°	1326.2	1333.2	1324.9	1313.4	1301.2
55°	1216.3	1220.8	1213.7	1202.9	1190.7
57.5°	1103.2	1112.2	1100.7	1087.9	1077.7
60°	988.2	995.9	984.4	972.9	962.0
62.5°	871.3	876.4	863.7	856.6	843.9
65°	752.5	756.3	743.6	738.5	726.3
67.5°	635.0	638.2	626.0	619.0	612.0
70°	520.0	522.5	512.3	505.9	499.5
72.5°	411.4	412.0	402.4	400.5	392.9
75°	311.1	313.7	304.1	302.2	297.0
77.5°	223.6	224.2	217.8	216.6	212.1
80°	148.2	148.8	144.4	143.7	139.9
82.5°	89.4	90.1	86.2	86.2	83.7
85°	44.7	45.4	43.4	43.4	42.2
87.5°	15.3	16.0	15.3	15.3	14.7
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)